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Field Crop Varieties Recommended in South Dakota for 1974

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Recommended Citation

South Dakota State University, Cooperative Extension, "Field Crop Varieties Recommended in South Dakota for 1974" (1974). *SDSU Extension Fact Sheets*. 290.

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FS 524

(Revised Annually)

FIELD CROPS

Varieties
Recommended for 1974



Cooperative Extension Service
South Dakota State University
United States Department of Agriculture

Field Crop Varieties Recommended in South Dakota for 1974

By J. Duane Colburn, Extension agronomist—crops

Crop adaptation areas of the state, shown on the map, are based on soil type, elevation, temperature, and rainfall. These factors largely determine the type of agriculture within these areas.

Varieties are recommended on the basis of length of growing season, average rainfall, disease frequency, economic factors and farming practices. Often an individual farm, due to its location or the management practiced by the operator, may more closely resemble conditions of an area other than the one in which the farm is located. Recommendations listed here should be considered in the light of this information. Varieties are listed alphabetically and not in order of preference.

Varieties are listed as "acceptable" if they appear promising, but there is too little South Dakota research data to warrant recommendation. Varieties that are good yielders but have some weakness, such as straw strength, quality or disease resistance are listed as acceptable.

Variety	Area of best adaptation
Winter Wheat	
Bronze	B1, B2, B3, E
Centurk	A, B2*, B3, B4, C2, C3, D4, E
Eagle	B3, B4, C2, C3
Gage	A, B4, C2, C3
Lancer	A, B2*, B3, B4, C2, C3, D4, E
Sage	B3, B4, C2, C3
Scout 66	B1, B3, B4, C2, C3
Scoutland	B3, B4, C2, C3
Winoka	B1, B2, B3, E
<i>Winter Wheat production under the high risk conditions of areas B1, B2, and C1 means selecting the most hardy varieties.</i>	

Spring Wheat Recommended	
Bonanza†	Statewide
Bounty 208†	Statewide
Chris	Statewide
Fortuna	B1, B2, C1
World Seeds 1809†	Statewide

Acceptable	
Era†	Statewide
Lark†	Statewide
Olaf†	Statewide
Polk	Statewide
Protorf†	Statewide
Sheridan	A, B1, B2, B3, C1
Waldron	Statewide

Durum Wheat Recommended	
Hercules	all durum wheat areas
Leeds	all durum wheat areas
Rollette	all durum wheat areas
Ward	all durum wheat areas
Wells	all durum wheat areas

Oats Recommended	
Burnett	A, B1, B2, B3, B4, C1, C2, C3
Chief	Statewide
Dal	C1†, D1, D2, D3
Diana	B4, C2, C3, D4, E
Froker	C1†, D1, D2, D3

Acceptable	
Dupree	B1, B2, B3, B4
Garland	B2, C1, D3, D4, E
Grundy	D4, E
Holden	B2, C1, D2, D3, D4, E
Kelsey	B2†, C1*, D1, D2, D3
Multiline E73	D4, E

Multiline M73	B2, C1, D2, D3, D4, E
Noble	B4, C2, C3, D4, E
Nodaway 70	D4, E
Otee	C2, C3, D4, E
Portal	B2, C1, D1, D2, D3, D4, E
Trio	B4, C2, C3, D4, E

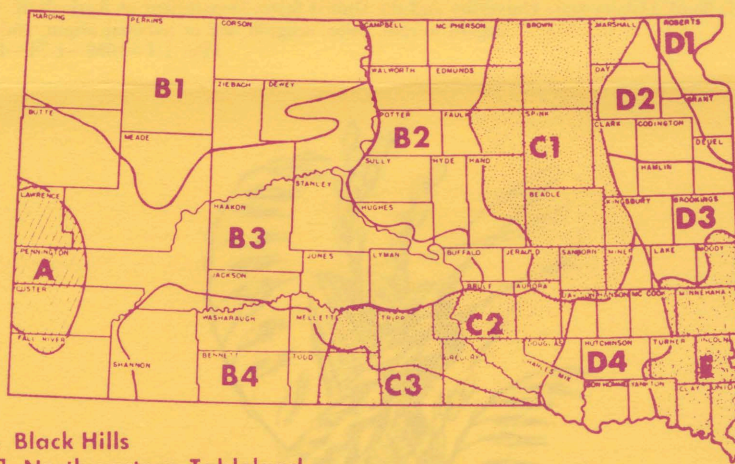
Barley Recommended	
Conquest	A, B2, C1, D1, D2, D3
Larker	A, B2, C1, D1, D2, D3, E
Prilar	Statewide
Primus II†	Statewide

Acceptable	
Beacon	C1†, D1, D2
Cree	C1†, D1, D2, D3
Firlbecks III (Irrigation)	A, B2, B3, B4
<i>Conquest, Larker, and Beacon are approved for malting.</i>	

Flax	
Linott	all flax areas
Norstar	C1†, D1, D2, D3

Rye	
Cougar	Statewide
Frontier	Statewide

CROP ADAPTATION AREAS



- A Black Hills
- B1 Northwestern Tableland
- B2 North Central Glacial Upland
- B3 Pierre Plain
- B4 Southwestern Tableland
- C1 Northern James Valley
- C2 South Central Upland
- C3 South Central Tableland

- D1 Northeast Lowland
- D2 Northern Prairie Coteau
- D3 Central Prairie Coteau
- D4 Southern James Flatland
- E Southeast Prairie Upland

Soybeans

Recommended

Corsoy	D1, D3, D4, E
Steele	D1, D3, D4†, E†
Swift	D1, D2, D3
Wayne	D4*, E*
Wells	D1, D3, D4, E

Acceptable

Chippewa 64	D1, D2, D3
Hark	D1, D3, D4, E
Traverse	D1, D2, D3

Hybrid Corn

Commercial hybrid corn varieties are available and adapted for each crop adaptation area. Yield and maturity information on some hybrids is available in the SDSU Experiment Station circular on "Corn Performance Trials."

Grain Sorghum

RS 610	C2*, C3, D4*, E*
SD 102§	Statewide
SD 104§	Statewide
SD 106§	Statewide
SD 451	Statewide
SD 503	B2*, B3*, C1*, C2 C3, D4, E

Commercial hybrid grain sorghum varieties are available and adapted for each crop adaptation area. Yield and maturity information on some grain sorghum hybrids is available in the SDSU Experiment Station circular, "Grain Sorghum Performance Trials."

Forage Sorghum

Rancher	Statewide
Rox Orange (Waconia)	Statewide
SD 252F	Statewide

Sudangrass

Piper	Statewide
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Commercial hybrid forage sorghum, sorghum-sudangrass crosses, and hybrid sudangrass varieties are available and adapted for each crop adaptation area.

Legumes

Alfalfa (hay type)

Agate (irrigation)	Statewide
Dawson	D4, E
Iroquois	Statewide
Ladak 65	A, B1, B2, B3, C1, D2
Vernal	Statewide

Alfalfa (pasture type)

Rambler	Statewide
Teton	Statewide
Travois	Statewide

Birdsfoot trefoil

Empire	A, C1, D1, D2, D3, D4, E
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Grasses (Cool Season)

Crested Wheatgrass

Fairway	Statewide
Nordan	Statewide

Green needlegrass

Lodorm	B1, B2, B3, B4, C2, C3, D1, D2, D3
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Intermediate Wheatgrass

Oahe	Statewide
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Creeping foxtail (low, wet areas)

Garrison	Statewide
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Reed Canarygrass (low, wet areas)

Frontier	Statewide
Ioreed	Statewide

Russian wildrye

Vinall	B1, B2, B3, B4, C2, C3, D1, D2, D3
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Smooth brome

Achenbach	Statewide
Fox	Statewide
Lincoln	Statewide
Sac	Statewide

Tall wheatgrass (low, wet alkaline areas)

Alkar	Statewide
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Grasses (Warm Season)

Sideoats Grama

Pierre	B1, B2, B3, B4, C2, C3
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Switchgrass

Summer	Statewide
Nebraska 28	B1, B2†, C1†, D1, D2

Millet

Foxtail

Manta	Statewide
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Proso

Panhandle	Statewide
Snobird	Statewide

*Southern counties of this area

†Northern counties of this area

‡For both irrigation and dryland

§Recommended only for late planting in areas D4 and E.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. Duane Acker, Director of Extension Service, South Dakota State University, Brookings. The South Dakota Cooperative Extension Service in conjunction with South Dakota State University and the United States Department of Agriculture offers educational programs and materials to all people without regard to race, color, religion, sex or national origin, and is an Equal Opportunity Employer.

File: 1.4-10M-1-74-1709



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Varieties

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